

Land Use | Water Related Use (QD024NR.LUWRU)

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Metadata:

- [Identification Information](#)
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- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
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Identification_Information:

Citation:

Citation_Information:

Originator:

Department of Natural Resources, Division of Water Resources (WRE)

Publication_Date: 19950101

Title: Land Use | Water Related Use (QD024NR.LUWRU)

Edition: Second

Geospatial_Data_Presentation_Form: map

Series_Information:

Series_Name: State of Utah SGID

Issue_Identification: None

Publication_Information:

Publication_Place: Salt Lake City, UT

Publisher: DWAR

Other_Citation_Details: Digital data at 1:24,000

Online_Linkage: <http://www.agr.state.ut.us/agrc/html/data/_layers1_html>

Description:

Abstract:

This dataset represents the water related land use data for Utah. It is the result of an on-going, comprehensive effort to map this usage for the entire state. The

mapping program began in 1985 and the first cycle concluded in 1992. At that time a revision cycle began. The revision cycle will conclude in 2001.

Purpose:

This dataset is used primarily by the Division of Water Resources for preparing hydrological inventories and conducting other water-related studies, although it has proven useful for a wide variety of other applications by other agencies.

Supplemental Information:

Procedures_Used: Data collected before 2000 were compiled from aerial photography contracted by the Division. The photos were then projected onto 1:24,000 scale quadrangle maps and field boundaries were traced onto the quad maps. Each map was then 100% field checked and each polygon was labeled on the map. After the field work was completed, the boundaries on each map were digitized using ESRI's ArcInfo software. Labels were then added to the digital data based on the field surveys. Data collected from 2000 to present were compiled from 5-meter resolution IRS satellite data as boundaries and then 100% field checked.

The following is a description of data fields:

Number: Combination of basin, study and sub study numbers.

Basin: Natural hydrologic regions of the state.

Study: Sections of basins.

Sub study: Smaller section of the study.

Name: Name of study.

Studyunit: Combination of basin and study numbers.

County: Name of county.

Surv_year: Year of survey.

Landcov: Defined bellow.

Acres: Acreage covered by polygon.

Landuse: What category of land use the polygon is being used for.

Description: What the particular landcov is commonly know as.

Reviews_Applied_to_Data: See Cross_References

References_Cited: See Cross_References

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 19910101

Currentness_Reference:

Aerial photography and satellite imagery collected in accordance with dates listed in Revisions.

Status:

Progress: complete

Maintenance_and_Update_Frequency: updated periodically

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.668

East_Bounding_Coordinate: -111.031

North_Bounding_Coordinate: 41.688

South_Bounding_Coordinate: 39.554

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: Land Use

Theme_Keyword: Water Related Use

Theme_Keyword: Crops

Theme_Keyword: Urban

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: State of Utah

Place_Keyword: Box Elder

Place_Keyword: Cache

Place_Keyword: Rich

Place_Keyword: Weber

Place_Keyword: Morgan

Place_Keyword: Summit

Place_Keyword: Davis

Place_Keyword: Tooele

Place_Keyword: Salt Lake

Place_Keyword: Wasatch

Place_Keyword: Utah

Place_Keyword: Juab

Place_Keyword: Sanpete

Place_Keyword: Carbon

Place_Keyword: Emery

Access_Constraints: None

Use_Constraints:

For use at 1:24,000 scale.

Data released to the Receiving Agency (RA) remains the property of the originating data source (see *Source_Information*) and cannot be reproduced for sale by the RA without the written consent of that data source. Redistribution of datasets unchanged as obtained from AGRC and without fee is allowed.

Any hardcopies utilizing these data sets shall clearly indicate their source. If the RA has modified the data in any way they are obligated to describe the types of modifications they have performed on the hardcopy map. RA specifically agrees not to misrepresent these data sets, nor to imply that changes they made were approved by AGRC.

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Eric Edgley

Contact_Organization:

Department of Natural Resources, Division of Water Resources

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 1594 West North Temple, Ste 310

Address: PO Box 146201

City: Salt Lake City

State_or_Province: UT

Postal_Code: 84114-6201

Country: USA

Contact_Voice_Telephone: (801) 538-7274

Contact_Facsimile_Telephone: (801) 538-7279

Data_Set_Credit:

Project Manager: Eric Edgley, WRE

Review: WRE

Security_Information:

Security_Classification_System: None

Security_Classification: UNCLASSIFIED

Security_Handling_Description: None

Native_Data_Set_Environment:

Windows XP, ArcInfo9.2

Cross_Reference:

Citation_Information:

Originator:

Department of Natural Resources, Division of Water Resources (WRE)

Publication_Date: 19910101

Title: Water Related Land Use

Edition: None

Series_Information:

Series_Name: None

Issue_Identification: None

Publication_Information:

Publication_Place: Salt Lake City, UT

Publisher: WRE

Other_Citation_Details: None

Online_Linkage: Unknown

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

Feature attributes were taken from source material. Code assignments are believed to be representative of the source document.

Logical_Consistency_Report:

Polygon topology present. Data was reviewed for correct topological structure.

Completeness_Report:

Data is available for those areas of the state that have agricultural and urban activity.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

Digital data was overlaid onto USGS DOQ's and verified for accuracy.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator:

Department of Natural Resources, Division of Water Resources (WRE)

Publication_Date: 19910101

Title: Statlu01

Geospatial_Data_Presentation_Form: map

Series_Information:

Series_Name: Water Related Land Use

Issue_Identification: None

Publication_Information:

Publication_Place: Salt Lake City, UT

Publisher: WRE

Source_Scale_Denominator: 24000

Type_of_Source_Media: Disc

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 19910101

Source_Currentness_Reference: Publication date

Source_Citation_Abbreviation: None

Source_Contribution: Location data

Process_Step:

Process_Description: Digitize compiled document

Process_Date: 19910101

Process_Step:

Process_Description: Establish polygon topology (BUILD)

Process_Date: 19910101

Process_Step:

Process_Description: Add attributes

Process_Date: 19910101

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Point

Point_and_Vector_Object_Count: 39984

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 108747

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains

Point_and_Vector_Object_Count: 39985

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Grid_Coordinate_System:

Grid_Coordinate_System_Name: Universal Transverse Mercator

Universal_Transverse_Mercator:

UTM_Zone_Number: 12

Transverse_Mercator:

Scale_Factor_at_Central_Meridian: 1

Longitude_of_Central_Meridian: -111 00 00

Latitude_of_Projection_Origin: 00 00 00

False_Easting: -500000

False_Northing: 0

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation:

Abscissa_Resolution: 1.0
Ordinate_Resolution: 1.0
Planar_Distance_Units: METERS
Geodetic_Model:
Horizontal_Datum_Name: North American Datum 1983
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.4
Denominator_of_Flattening_Ratio: 294.98

Entity_and_Attribute_Information:

Overview_Description:

Entity_and_Attribute_Overview:

Attribute items are in typical ARC/INFO polygon point line format. Attributes requiring additional explanation are:

LANDCOV - standard cover type code

I Cropland

IA Irrigated Cropland

IA1 Horti. & Spec.Crops

IA1a Fruit

IA1a1 Cherry

IA1a2 Apple

IA1a3 Peach

IA1a4 Pear

IA1a5 Apricot

IA1a6 Other

IA1b Nuts

IA1b1 Walnut

IA1b2 Pecan

IA1b3 Other

IA1c Vineyard

IA1d Bush Fruit

IA1e Berries

IA1f Other Horticulture

IA1g Other Spec. Crops

IA2 Row/Close Grown Crop

IA2a Grain

IA2a1 Corn

IA2a2 Sorghum

IA2a3 Wheat

IA2a4 Barley

IA2a5 Oats

IA2a6 Other Grains

IA2b Vegetables

IA2b1 Potatoes

IA2b2 Onions

IA2b3 Beans

IA2b4 Tomatoes

IA2b5 Sweet Corn

IA2b6 Other

IA2c Other Row Crops

IA3 Forage Crops

IA3a Alfalfa

IA3b Grass Hay

IA3c Grass/Turf

IA3d Pasture

IA3e Other

IA4 Other

IA4a Fallow

IA4b Idle

IB Non-Irrig. Cropland

IB1 Row/Close Grown Crop

IB1a Grain/Beans/Seeds

IB1a1 Wheat

IB1a2 Other Grains

IB1a3 Dry Beans

IB1a4 Safflower

IB1a5 Other

IB2 Hayland Crops

IB2a Alfalfa

IB2b Pasture

IB2c Other

IB3 Other

IB3a Fallow

IB3b Idle

II Grassy/Phreat./Water

IIA Grassy Aspect

IIA1 Irrigated

IIA1a Pasture

IIA1b Hayland

IIA2 Non-Irrigated

IIA2a Pasture

IIA2b Hayland

IIA2c Non-Agricultural Use

IIB Cattail/Bullrush Asp

IIB-E Wet/Vegetation Asp.

IIC Wet Flats

IID Shrub Aspect

IIE Riparian

IIE1 Forested Aspect

IIE2 Shrub Aspect

IIF Open Water

IIF1 Streams

IIF2 Reservoirs

IIF3 Ponds & Lakes

IIF4 Other

IIF4a Temporary Flooded

IIF4b Sewage Lagoon

IIF4c Evaporation Pond

IIF5 Salt Water

III Rangeland/Forestland

IIIA Alpine Plant Commun.

IIIB Conifer

IIIB1 Doug. Fir/White Fir

IIIB2 Ponderosa Pine

IIIB3 Fir/Spruce

IIIB4 Lodgepole Pine

IIIB5 Pinyon Pine/Juniper

IIIB6 Other

IIIC Deciduous

IIIC1 Aspen

IIIC2 Mountain Brush

IIIC3 Other

IIID Grass Aspect

IIID1 Dry Pastures/Improv.

IIID2 Native Grasses

IIID3 Other

IIIE Shrub Aspect

IIIE1 North Desert Shrubs

IIIE1a Sagebrush

IIIE1b Other

IIIE2 South Desert Shrubs

IIIE2a Creosote Bush

IIIE2b Other

IIIE3 Salt Desert Shrubs

IIIE3a Shadscale

IIIE3b Greasewood

IIIE3c Saltbrush

IIIE3d Desert Molley

IIIE3e Other

IV Barren Land

IVA Ba

IIA1b Hayland

IIA2 Non-Irrigated

IIA2a Pasture

IIA2b Hayland

IIA2c Non-Agricultural Use

IIB Cattail/Bullrush Asp

IIB-E Wet/Vegetation Asp.

IIC Wet Flats

IID Shrub Aspect

IIE Riparian

IIE1 ForForested Aspect

IIE2 Shrub Aspect

IIF Open Water

IIF1 Streams

IIF2 Reservoirs

IIF3 Ponds & Lakes

IIF4 Other

IIF4a Temporary Flooded

IIF4b Sewage Lagoon

IIF4c Evaporation Pond

IIF5 Salt Water

III Rangeland/Forestland

IIIA Alpine Plant Commun.

IIIB Conifer

IIIB1 Doug. Fir/White Fir

IIIB2 Ponderosa Pine

IIIB3 Fir/Spruce

IIIB4 Lodgepole Pine

IIIB5 Pinyon Pine/Juniper

IIIB6 Other

IIIC Deciduous

IIIC1 Aspen

IIIC2 Mountain Brush

IIIC3 Other

IIID Grass Aspect

IIID1 Dry Pastures/Improv.

IIID2 Native Grasses

IIID3 Other

IIIE Shrub Aspect

IIIE1 North Desert Shrubs

IIIE1a Sagebrush

IIIE1b Other

IIIE2 South Desert Shrubs

IIIE2a Creosote Bush

IIIE2b Other

IIIE3 Salt Desert Shrubs

IIIE3a Shadscale

IIIE3b Greasewood

IIIE3c Saltbrush

IIIE3d Desert Molley

IIIE3e Other

IV Barren Land

IVA Bare Soil/Sand

IVA1 Dry SaltFlats

IVA2 Beaches

IVA3 Other Sandy Areas

IVA4 Other

IVB Rock Outcrops

IVC Excavated Lands

IVD Other

V Built-Up Land

VA Farmsteads

VA1 Bldgs/Homes (rural)

VA2 Open Spaces

VB Residential

VB1 Bldgs/Homes (hi den)

VB2 Bldgs/Homes (lo den)

VB3 Open Spaces

VB4 Idle Spaces

VC Commercial/Industr.

VC1 Commercial

VC2 Industrial

VC3 Open Space

VD Trans./Commun./Util.

VE Other

LANDUSE – Standard general land cover code

IR Irrigated Agricultural Lands

NI Non-Irrigated Agricultural Lands

RIPR Areas of sub-irrigation that require and use artificial irrigation part of the year.

RIPNI Areas of sub-irrigation that do not require any artificial irrigation.

RIP Non-Agricultural Wetland or Other Riparian Type.

WATER Areas of Open Water.

URBRES Residential Urban Areas

URB All Other Urban Types (i.e. commercial, industrial, etc.)

OTH All other non-ag., riparian or Urban types/use.

Entity_and_Attribute_Detail_Citation: None

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

Department of Natural Resources, Division of Water Resources (WRE)

Contact_Position: GIS Manager

Contact_Address:

Address_Type: mailing and physical address

Address: 1594 West North Temple Ste 310

Address: PO Box 146201

City: Salt Lake City

State_or_Province: UT

Postal_Code: 84114-6201

Country: USA

Contact_Voice_Telephone: (801) 538-7274

Contact_Facsimile_Telephone: (801) 538-7279

Resource_Description: State Geographic Information Database at DNR

Distribution_Liability: AGRC provides these data "as is" without liability

Metadata_Reference_Information:
Metadata_Date: 19970830
Metadata_Review_Date: 20010517
Metadata_Future_Review_Date: 20020101
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: Automated Geographic Reference Center
Contact_Person: Cindy Clark
Contact_Position: SGID Administrator
Contact_Address:
Address_Type: mailing and physical address
Address: 5130 State Office Building
City: Salt Lake City
State_or_Province: UT
Postal_Code: 84114
Country: USA
Contact_Voice_Telephone: (801) 537-9201
Contact_Facsimile_Telephone: (801) 538-3317
Contact_Electronic_Mail_Address: cclark@dpagrc6.state.ut.us
Metadata_Standard_Name:
FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Access_Constraints: None
Metadata_Use_Constraints: None